



# CITY OF LODI COUNCIL COMMUNICATION

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**AGENDA TITLE:** Adopt Resolution Approving the Purchase of Padmount Transformers from HEES Enterprises, Inc., of Astoria, Oregon and CG Power Systems USA, Inc. of Washington, Missouri (\$82,419.06)

**MEETING DATE:** November 2, 2011

**PREPARED BY:** Electric Utility Director

**RECOMMENDED ACTION:** Adopt a resolution approving the purchase of padmount transformers from ~~HEES Enterprises, Inc., of Astoria, Oregon, and CG Power Systems USA Inc., of Washington, Missouri (\$82,419.06).~~

**BACKGROUND INFORMATION:** On August 17, 2011, the City Council authorized the Electric Utility Department (EUD) to advertise for bids as necessary to meet the EUD's needs for padmount transformers through the fiscal year.

On September 14, 2011, bids were opened with four suppliers submitting proposals, two of which were deemed responsive. Life-cycle costs (total purchase price plus cost of operation based on estimated power loss during the projected life of the transformer) were evaluated as shown on the attached table of Exhibit A. HEES Enterprises, Inc., of Astoria, Ore., and CG Power Systems USA Inc., Washington, Mo. submitted responsive bids with the lowest life-cycle costs as shown below.

5 each 75kVA, 1-Phase 240/120V Pad	HEES Enterprises, Inc.	\$11,464.60
2 each 225kVA, 3-Phase, 480/277V Pad	CG Power	\$13,057.15
3 each 1500kVA, 3-Phase, 480/277V Pad	CG Power	\$57,897.31

**FISCAL IMPACT:** Procurement cost is \$82,419.06. Total life-cycle \$158,360.31

**FUNDING:** Included in FY 2011/12 Budget Account No. 160.1496 Electric Inventory

Jordan Ayers

Deputy City Manager/Internal Services Director

Elizabeth A. Kirkley,  
Electric Utility Director

**PREPARED BY:** Weldat Haile P.E., Senior Power Engineer  
EAK/WH/1st

APPROVED:

Konradt Bartlam, City Manager

RESOLUTION NO. 2011-169

A RESOLUTION OF THE LODI CITY COUNCIL APPROVING  
THE PURCHASE OF PADMOUNT TRANSFORMERS FROM  
HEES ENTERPRISES, INC., OF ASTORIA, OREGON, AND CG  
POWER SYSTEMS USA INC., OF WASHINGTON, MISSOURI

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WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on September 14, 2011, at 11:00 a.m. for the purchase of padmount transformers for the Electric Utility Department, described in the specifications therefore approved by the City Council on August 17, 2011; and

WHEREAS, said bids have been compared as to life-cycle costs, checked, and tabulated and a report thereof filed with the City Manager as shown on Exhibit A attached; and

WHEREAS, the bids meeting the City's specification with the lowest estimated life-cycle costs are shown below:

5 each 75kVA, 240/120V I-Phase Pad	HEES Enterprises, Inc.	\$11,464.60
2 each 225kVA, 480/227V 3-Phase Pad	CG Power System	\$13,057.15
3 each 1500kVA, 480/277V 3-Phase Pad	CG Power System	\$57,897.31

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby approve the purchase of padmount transformers as shown above in the amount of \$82,419.06.

Dated: November 2, 2011

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I hereby certify that Resolution No. 2011-169 was passed and adopted by the City Council of the City of Lodi in a regular meeting held November 2, 2011, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Katzakian, Mounce, Nakanishi, and Mayor Johnson

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None



RANDI JOHL  
City Clerk

EXHIBIT A. - PAD MOUNTED TRANSFORMER BID EVALUATION October 19, 2011												
Transformer Bid Evaluation				Bid Opening: September 14, 2011								
<b>Padmount</b>				Tax (factor): 1.0775		<b>Primary Windings:</b>		Three-Phase, 12000 Volt, 60Hz, Delta Connected				
For 10/19/2011 Council Meeting				No Load Loss \$/watt: 3.75				Single-Phase, 12000 Grd. Wye/6930 Volt, 60Hz				
				Load Loss \$/watt: 1.25								
<b>Bid Item 1: 75 kVA, 240/120 Volt, Single Phase Pad</b>						Number of units: 5				65		>1.8
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
HD Supply Utilities	2,387.00	11,935.00	12,859.96	116	731	2,175.00	4,568.75	6,743.75	19,603.71	20-22	24	2.140
Pacific Utilities (ABB, Inc.)	2,440.00	12,200.00	13,145.50	125	636	2,343.75	3,975.00	6,318.75	19,464.25	9-11	32	1.980
Hees Enterprises Inc. (Ermco Transformers)	2,128.00	10,640.00	<b>11,464.60</b>	135	686	2,531.25	4,287.50	6,818.75	<b>18,283.35</b>	8-10	28	2.000
CG Power System	no quote											
<b>Bid Item 2: 225kVA, 480/277 Volt, Three Phase Pad,</b>						Number of units: 2				65		>3.5
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
HD Supply Utilities	7,832.00	15,664.00	16,877.96	431	1997	3,232.50	4,992.50	8,225.00	25,102.96	10-12		4.340
Pacific Utilities (ABB, Inc.)	7,750.00	15,500.00	16,701.25	352	1791	2,640.00	4,477.50	7,117.50	23,818.75	9-11		3.890
Hees Enterprises Inc. (Ermco Transformers)	7,089.00	14,178.00	15,276.80	434	1626	3,255.00	4,065.00	7,320.00	22,596.80	8-10	49	4.700
CG Power System	6,059.00	12,118.00	<b>13,057.15</b>	487	1,822	3,652.50	4,555.00	8,207.50	<b>21,264.65</b>	8-10	52	3.560
<b>Bid Item 3: 1500 kVA, 480/277 Volt, Three Phase Pad,</b>						Number of units: 3				90		>5.3
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
HD Supply Utilities	23,125.00	69,375.00	74,751.56	1938	9785	21,802.50	36,693.75	58,496.25	133,247.81	13-15		5.700
Pacific Utilities (ABB, Inc.)	20,575.00	61,725.00	66,508.69	1434	10107	16,132.50	37,901.25	54,033.75	120,542.44	8-10		6.260
Hees Enterprises Inc. (Ermco Transformers)	21,229.00	63,687.00	68,622.74	1599	10102	17,988.75	37,882.50	55,871.25	124,493.99	8-10	63	5.8
CG Power System	17,911.00	53,733.00	<b>57,897.31</b>	1633	11345	18,371.25	42,543.75	60,915.00	<b>118,812.31</b>	8-10	74	5.750
<b>Bid Item</b>		<b>Lowest Total Price</b>						<b>Total LCC</b>				
Hees Enterprises Inc. (Ermco Transformers)		<b>1</b>		<b>11,464.60</b>				<b>18,283.35</b>				
CG Power System USA Inc.		<b>2</b>		<b>13,057.15</b>				<b>21,264.65</b>				
CG Power System USA Inc.		<b>3</b>		<b>57,897.31</b>				<b>118,812.31</b>				
				<b>82,419.06</b>				<b>158,360.31</b>				
<b>BSU Account No.</b>		<b>160.1496</b>										
Prepared by: Weldat Haile P.E. Senior Power Engineer												
11-02-11 WH Award Padmount Transformers - Attach.xls												